

Abstract

A satellite simulation model system based on an interface standard model is disclosed. The system includes a satellite subsystem standard model for
5 simulating operations of physical satellite subsystems; a flight software module for generating a control signal changing operation state of the satellite subsystem standard model; an interface standard model for
10 converting data transmitted from the satellite subsystem standard model and the flight software module into data to receiving components and transmitting the converted data to the receiving components; and a model managing
unit for generating the satellite subsystem standard
15 model and the interface standard model as independent component objects and controlling each component object to perform satellite simulation.